

[illegible]

10. The use of polymers as claimed in claim 8, wherein the alkylene oxide used is ethylene oxide.
11. The use of polymers as claimed in claim 8, wherein the polyethyleneimine has a molecular weight between 300 and 20000.
15. The use of polymers as claimed in claim 1, wherein c) is chosen from the group: acrylic acid, methacrylic acid, maleic acid, fumaric acid, crotonic acid, maleic anhydride and its half-esters, methyl acrylate, methyl methacrylate, ethyl acrylate, ethyl methacrylate, n-butyl acrylate, n-butyl methacrylate, t-butyl acrylate, t-butyl methacrylate, isobutyl acrylate, isobutyl methacrylate, 2-ethylhexyl acrylate, stearyl acrylate, stearyl methacrylate, N-t-butylacrylamide, N-octylacrylamide, 2-hydroxyethyl acrylate, hydroxypropyl acrylates, 2-hydroxyethyl methacrylate, hydroxypropyl methacrylates, alkylene glycol (meth)acrylates, styrene, unsaturated sulfonic acids such as, for example, acrylamidopropane sulfonic acid, vinyl pyrrolidone, vinyl caprolactam, vinyl ethers, (e.g. methyl, ethyl, butyl or dodecyl vinyl ethers), vinylformamide, vinylmethylacetamide, vinylamine, 1-vinylimidazole, 1-vinyl-2-methylimidazole, N,N-dimethylaminomethyl methacrylate and N-[3-(dimethylamino)propyl]methacrylamide; 3-methyl-1-vinylimidazolium chloride, 3-methyl-1-vinylimidazolium methylsulfate, N,N-dimethylaminoethyl methacrylate, N-[3-(dimethylamino)propyl]methacrylamide quaternized with methyl chloride, methyl sulfate or diethyl sulfate.

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16. The use of polymers as claimed in claim 1, wherein the quantitative ratios are
- a) 10 - 90 % by weight
 - b) 2 - 90 % by weight
 - c) 0 - 50 % by weight.
17. The use of polymers as claimed in claim 1, wherein the quantitative ratios are
- a) 50 - 97 % by weight
 - b) 3 - 50 % by weight
 - c) 0 - 30 % by weight.
18. The use of polymers as claimed in claim 1, wherein the quantitative ratios are
- a) 60 - 97 % by weight
 - b) 3 - 40 % by weight
 - c) 0 - 20 % by weight.
19. The use as claimed in claim 1, where a crosslinking is carried out after the hydrolysis.

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10. The use of polymers as claimed in claim 8 [claims 8 and 9], wherein the alkylene oxide used is ethylene oxide.
11. The use of polymers as claimed in claim 8 [claims 8, 9 and 10], wherein the polyethyleneimine has a molecular weight between 300 and 20000.
15. The use of polymers as claimed in claim 1 [claims 1 to 14], wherein c) is chosen from the group:

acrylic acid, methacrylic acid, maleic acid, fumaric acid, crotonic acid, maleic anhydride and its half-esters, methyl acrylate, methyl methacrylate, ethyl acrylate, ethyl methacrylate, n-butyl acrylate, n-butyl methacrylate, t-butyl acrylate, t-butyl methacrylate, isobutyl acrylate, isobutyl methacrylate, 2-ethylhexyl acrylate, stearyl acrylate, stearyl methacrylate, N-t-butylacrylamide, N-octylacrylamide, 2-hydroxyethyl acrylate, hydroxypropyl acrylates, 2-hydroxyethyl methacrylate, hydroxypropyl methacrylates, alkylene glycol (meth)acrylates, styrene, unsaturated sulfonic acids such as, for example, acrylamidopropane sulfonic acid, vinyl pyrrolidone, vinyl caprolactam, vinyl ethers, (e.g. methyl, ethyl, butyl or dodecyl vinyl ethers), vinylformamide, vinylmethylacetamide, vinylamine, 1-vinylimidazole, 1-vinyl-2-methylimidazole, N,N-dimethylaminomethyl methacrylate and N-[3-(dimethylamino)propyl]methacrylamide;

3-methyl-1-vinylimidazolium chloride, 3-methyl-1-vinylimidazolium methylsulfate, N,N-dimethylaminoethyl methacrylate,

N-[3-(dimethylamino)propyl]methacrylamide quaternized with methyl chloride,